Western Washington Amateur Relay Association

# The Coordinator

*"The transition to digital in this country has been handled about as effectively as California handled the deregulation of energy."*
*From speech by Eddie Fritts NAB president*

## ANALOG TO DIGITAL TV PLAN TAKES ON A NEW TWIST

Since HDTV receivers are expensive and programming is limited, consumers are hesitant to adopt the new format. It has become apparent that the current plan to switch from analog to digital television is not going well.

A new ATSC (Advanced Television Systems Committee) digital TV system was adopted in 1995 by the FCC as the standard for digital terrestrial television broadcasts in the U.S. In 1996, broadcasters received digital channels at no cost ....part of a ten year plan to switch to high-definition television. Congress mandated that HDTV would be the required format for broadcast television signals by 2006. There are currently 187 TV stations in 64 markets transmitting the ATSC standard. While more than a million HDTV sets have been sold, this represents a very tiny percentage of the total U.S. households.

According to the plan, in 2006 broadcasters are to return their analog channel to the Government for auctioning which - if all goes as scheduled - is to reap a very big windfall to the U.S. treasury. But the timetable contains the loophole that HDTV must be received by 85 percent of all households. The FCC hinted at the National Association of Broadcasters (NAB) convention held last month in Las Vegas that this time schedule may not be met.

The fact is that due to the extremely high cost of ATSC digital HDTV transmission equipment, telecasters are not in any hurry to meet the schedule. Many stations are also having difficulty getting the necessary construction and zoning permits needed for a digital TV station.

FCC Chairman Mike Powell said that while it was important to try and meet the 2006 time frame, it was Congress and not the FCC who came up with the deadline. He said he preferred a market-driven transition rather than a regulator-forced deadline.

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# HDTV

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Throwing a monkey wrench into the transition plans is the startling revelation that scientists at the Los Alamos National Laboratory (LANL) have now come up with a way to condense a wider HDTV signal into the existing 6-MHz channels already allocated to TV broadcasters.

In a nutshell, the Los Alamos engineers have discovered how to deliver HDTV quality without resorting to switching to the ATSC standard. The LANL compression technology allows both the new digital and old analog TV sets to receive a HDTV signal compatible to each system without requiring broadcasters to simulcast two distinctly different signals on two separate channels.

The compression concept permits transmission of digital and analog signals in a form that does not require a converter for old receivers since an added software loop in the HDTV receivers recovers the digital information from the same channel. The sharpness of a picture using the algorithm amounts to approximately 80 percent of that of a dedicated ATSC HDTV transmission. ATSC digital HDTV is very much like a computer file.

The difference in resolution between the ATSC digital HDTV and the specially encoded HDTV can barely be distinguished. This means that the transition could be accomplished in much the same way that black and white television switched over to color ...with the color-coding being squeezed into the same B/W channel space. FCC is aware of the break-through, but is not taking sides.

There are more than 120 million traditional TV sets worth some $25 billion currently in use in the U.S. It doesn't appear that more than 80 million HDTV sets will be sold in the next five years.

The really big advantage is that broadcasters can transmit the new encoded HDTV algorithm using the same equipment they use now: After HDTV sets are more common, the compressed analog HDTV signal could be converted to the regular (ATSC) HDTV format.

If the LANL technology catches on, the plan for the public to receive ATSC high-definition televisor — and the thinking about spectrum — could receive a major overhaul. Congress' and the FCC are already well into implementing the ATSC plan which calls for the allocation of new digital channels for HDTV, making the public buy a new HDTV set, then abandoning and reselling the old analog spectrum.

The lab's encoding method uses 5 MHz of the allocated 6-MHz band, unlike broadcasts today that use only 4 MHz. To analog-TV viewers, the extra information will appear to be encoded within the black bands at the top and bottom of the screen.

Existing HDTV broadcasters could simulcast two distinctly different signals on their two separate channels, so that regular analog TVs get compressed HDTV over the old broadcast channel. With added software, new digital televisions would be able to decode me additional high-definition information to enhance their display. Existing HDTVs will also only require a small software change to correctly receive the Los Alamos signal.

The technology used in the compression algorithm was initially invented at the Los Alamos lab for processing images from underground nuclear tests. A patent filed in November 2000 permits the lab to license its encoder to television broadcasters and broadcasting equipment manufacturers.

The new encoder will enable broadcasters to meet the 2006 Congressional HDTV mandate without forcing everybody to go out and buy a new TV. But it could end the plan for TV broadcasters to return their analog channel to the Government in 2006 for auctioning since many consumers will undoubtedly be satisfied with encoded HDTV. In any event, no one believes that 85 percent of the public will be going out and spending $3,000 or more for the new HDTVs within the next five years.

The Los Alamos National Laboratory is operated by the University of California for the National Nuclear Security Administration of the U.S. Department of Energy. standard. See: <http://www. Ianl.gov/worldview/science/>

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## Texas vs.: harassment

A new law working its way to the governor of Texas for his signature may have a place ending harassment to Amateur Radio operators in the Lone Star State. Texas Senate Bill 139, was introduced by State Representative Barrientos Carona. It would make it a crime to contact anyone by telephone; or any other means including radio— to harass, annoy, alarm, abuse, torment, or embarrass that person.

The new law would also make it illegal to issue threats or proposals that are obscene using written or electronic means. Likewise forbidden are calls that causes the telephone of another to ring repeatedly or making repeated telephone communications anonymously or in a manner reasonably likely to annoy. Also made criminal under the measure is sending repeated electronic communications in a manner reasonably likely to harass or offend another human being.

Radio amateurs, especially repeater operators, believe that under the terms of SB 139 they could be protected from harassment by disgrunded users —both on and off the air. But others are not so sure. Civil Rights advocates may see the law as far too inflexible and could prove to be unconstitutional if challenged in Federal court.

## As American as Curry Pie

By Swaroopa Iyengar

BANGALORE, India — "Hi, this is Betty Coulter and I am calling because I have a great deal for you today. I am going to offer you a credit card at a low 2.9 percent with a whole bunch of free gifts."

Yeah, yeah, you've heard it all before. You try to get off the phone, but Betty just drones on and, amazingly, never takes a breath. You try to place the accent. Iowa maybe? No, the "a" sound is too flat. California? Maybe it's a crowded call center in some business park in Kansas City.

But Betty is actually calling from Bangalore, and her real name is Savita Balasubramanyam. And she is indeed in a crowded office, but it's not dinner time, it's the middle of the night. And her perfect American accent is the result of rigorous training and an employer-encouraged addiction to Ally McBeal.

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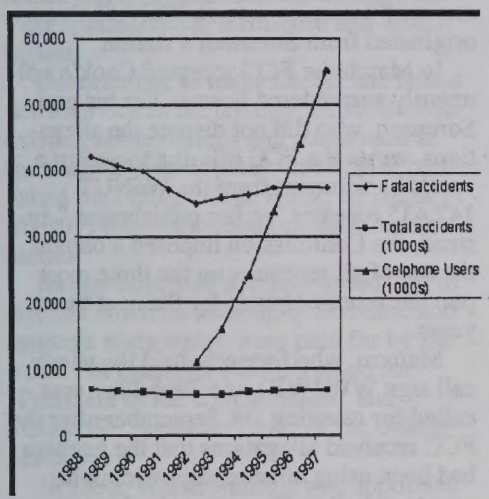
## Washington State Now Pondering Driving-With-Celphone Ban by Ed Mitchell KF7VY

Interesting quote: "The whole big problem with cell-phone use is there's no data," said Mark Hallenbeck, director of the state Transportation Research Center at the University of Washington. "What they have found is cell phones are distracting, but there's not a lot of proof they're more distracting than changing a CD."

The article also notes that while celphone use has skyrocketed, there has been no such similar increase in the number of automobile accidents.

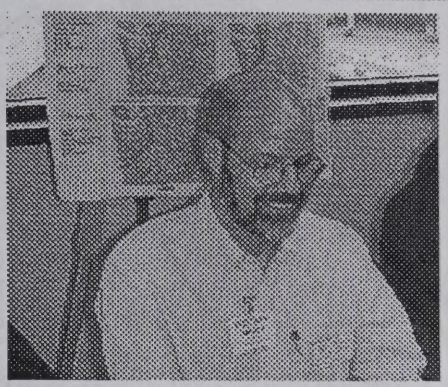
I did some research on my own. Using data for the total number of fatal accidents and the total number of accidents (source: http://www.disastercenter.com/traffic/Crash88_.html), and then combining that with the number of cellular/PCS/E-SMR subscribers (source: http://www.shosteck.com/estats/sample.htm), produces the following chart:




From this chart we can see that during the period that cellular phone usage has skyrocketed, the total number of accidents has dropped, and the number of fatal accidents has dropped. During the same period (but not shown), the total U.S. population, the total number of drivers, the total number of cars on the road, and the total number of miles driven, have all increased. It is difficult to reconcile a decrease in overall accidents with the alleged harm caused by cellular phone usage while driving.

## The Coverage Maven

By: Marty Hadfield, WB7AFV



Marty Hadfield - WB7AFV

So, how was your repeater built? Did you contact the WWARA to coordinate a frequency? Then did you put together a receiver/transmitter package, tone panel, hardline, diplexer and a new antenna? Then did you make arrangements to install the antenna on a good hilltop site? When you fired it up, did you suddenly discover that you were creating interference to an existing co-channel package three or four counties away? Maybe even in another State? It's possible you found that you weren't even covering the local areas you wanted to serve. Has your dream machine become a real alligator? Bummer, now you probably will have to take the system down, maybe even try to find another frequency or possibly look for a new site.

How about trying something new with your WWARA Band Chairman that will help you answer these questions without rolling out of the driveway or even keying up a transmitter?

As the Technical Committee Chairman, I've spearheaded a campaign within the WWARA to use computerized coverage and interference prediction tools to assist with the often-difficult task of frequency coordination. The results have been pretty dramatic, sometimes helping a Ham "shoehorn in" a package on a coordinated a frequency, while other times discovering that a particular co-channel interference problem just cannot be adequately resolved.

In the coming months, I'll present a descriptive series intended to walk you through the co-channel frequency coordination process, with a focus on the basic principals of the methods used to approximate coverage and estimate areas of likely interference in the presence of the sometimes-rugged terrain of the Pacific Northwest. We'll also look at using directional transmit antennas to improve desired coverage while minimizing interference to co-channel systems. At times, mountain top sites can be a friend or an enemy to efficient frequency re-use, so it's important to know which situation applies to you.

Other areas to be presented will include the proper methods and the importance of finding the correct geographic coordinates and ground elevation data for your site. You may be surprised to find out where your site really is!

Our Amateur Radio community is made up of a broad range of individuals that have a somewhat advanced knowledge of radio systems (at least enough to put together some pretty nice "repeater packages"). I'll try to keep these technical presentations in words that that can be understood by everyone from an appliance operator to intermediate level technoids.

73 for now.

*Western Washington Amateur Relay Association*
*16541 Redmond Way – PMB 243 Redmond, WA. 98052-4482*

EASY PAYMENT FORM

*My enclosed check is for:*

_____-Year Membership Dues @ $12/year
_____-Coordination Fee @ $15 ea for 5 years
_____-Renewal Fee @ $10 ea for 5 years
_____-Rptr Directory @ $6 each - members, $8.95 each - non-members.
** Please add $1.50 for shipping and handling of each directory.

*Check #* _____
Total $ _____

**Name:** _____ **Call:** _____
**Addr:** _____ **Freq:** _____
**City:** _____ **Home #:** _____
**St:** _____ **Zip:** _____ **Work #:** _____
**Email:** _____

Admin CL._____ DB._____ QB._____ RD._____ TN._____

## Correspondence/Transaction Log

05/03/2001... $12 for Dues from CHRIS PALMER, KD7AKB
05/04/2001... $15 for CF from HARRY LEWIS, W7JWJ
05/08/2001... TD from REN RODERICK, WA7QFR
05/10/2001... TD from BILL VODALL, WA7NWP
05/10/2001... $36 for CF, RF from BOB GUDGEL, K7IQ
05/11/2001... Email to/from BRUCE SHURTZ, W7BAS
05/13/2001... Online renewal from VICTOR HENRY, KC7MAP
05/14/2001... Email from HERMAN ENTZ, K7PAG
05/21/2001... 6 RD's, $30 for RD from ADRIAN JONES, KC7IYE
05/21/2001... $18 for Dues, RD from JIM POSEY, K7LWZ
05/21/2001... $6 from BRUCE SHURTZ, W7BAS
05/21/2001... $310 from ARRL, 9ARRL
05/21/2001... 3 TD's from DAVID AMOS, WB7DFV
05/21/2001... $30 for Dues, RD from HADLEY ALLHANDS, K7MLR
05/24/2001... $12 for Dues from RADIO CLUB OF TACOMA, W7DK
05/24/2001... $6 for RD from CECIL A BURLESON, K7HW
05/24/2001... Certified Letter from PETE KRUML, N7KFJ
05/24/2001... $6 for RD from BRYON GUNNERSON, WB0CZA
05/24/2001... $6 for RD from REN RODERICK, WA7QFR
05/24/2001... $12 for Dues from REN RODERICK, WA7QFR
05/24/2001... $186 for RD from ED BRUETTE, N7NVP
05/24/2001... $45 for CF from KENNETH KOSTER, N7IPB
05/24/2001... TD, $12 for RF from KEVIN SULONEN, N7KV
05/24/2001... $12 for Dues from TIM SCHNEEBECK, K7QMI
05/26/2001... $6 for RD from JOHN SCHURMAN, AA7UJ
05/26/2001... $12 for Dues from STEVEN STOLEN, K7CCR
05/26/2001... $12 for Dues from ROBERT DONNELL, KD7NM
05/26/2001... $12 for Dues from BILL VODALL, WA7NWP
05/26/2001... $12 for Dues from LEONARD WESTBO JR., W7MCU
05/26/2001... $12 for Dues from RICHARD BALL, N7RIG
05/26/2001... $12 for Dues from GARY FIBER, KF7XV
05/26/2001... $12 for Dues from DON LOUGHMILLER, N7WOL
05/26/2001... $12 for Dues from MELANIE LOUGHMILLER, KB7USU
05/26/2001... correspondence from ROBERT WORMLEY, W7QA
05/26/2001... 2 Online renewals from BOB ST ANDRE, WA7NAN
05/27/2001... Email to BRENNAN PRICE, N4QX
05/27/2001... Online renewal from BOB ST ANDRE, WA7NAN
05/28/2001... Online update from ROB LEE, K7TGU
05/28/2001... Received 5 Online updates from JEFFREY WITHERS, W3GE
05/28/2001... Email to PSRG BOARD
05/28/2001... Email from/to BOB GUDGEL, K7IQ
05/29/2001... Email from/to MICHAEL KUNZ, KD7BCP
05/29/2001... $6 for RD from JOAN FLOWERS, KD7EVX
05/29/2001... $126 for RD's from NANCY MC KIBBIN, KB7BJE
05/30/2001... Email to/from BRENNAN PRICE, N4QX
05/30/2001... $12 for Dues from KEVIN BOZICH, KC7IYU
05/30/2001... Email from LARRY MCKEE, AA7SQ
06/01/2001... 6 TD's from GARY HART, W7WWI
06/01/2001... $12 for Dues from CARTER POWELL, W7IAG
06/01/2001... $50 for RF from JEFFREY WITHERS, W3GE
06/01/2001... 2 TD's, $50 for CF's from JIM HALL, K7OET
06/03/2001... Email to MICHAEL KUNZ, KD7BCP
06/03/2001... Email to JIM POSEY, K7LWZ
06/04/2001... Email to/from MICHAEL KUNZ, KD7BCP
06/06/2001... $24 for RD from THOMAS MURPHY, N7QHX
06/07/2001... $6 for RD from MICHAEL HILL, N7NFY
06/07/2001... Email to LARRY MCKEE, AA7SQ
06/07/2001... $30 for RF from BOB ST ANDRE, WA7NAN
06/07/2001... TD, $15 for CF from DAVID SWARTZ, KC7RRH
06/07/2001... $6 for RD from STEVEN MAYES, KA7PMC
06/07/2001... $6 for RD from HERMAN ENTZ, K7PAG

## FCC ORDERS TWO AMATEURS OFF MOST REPEATERS

Never say that FCC Special Counsel for Amateur Radio Enforcement Riley Hollingsworth lacks creative flair in applying enforcement sanctions. Acting in two ongoing cases, Hollingsworth this month notified two Technician licensees that they must stay off all repeaters on the 144, 222, and 440-MHz bands for the next three years.

Hollingsworth invoked Section 97.27 of the FCC's Amateur Service rules to modify the licenses of Ted R. Sorensen III, KC6PQW, of Agoura Hills, California, and Joseph Mattern, KG4NGG, of Orlando, Florida. Both licensees have been the subject of repeater-related enforcement inquiries.

Sorensen's restriction was among other actions recently taken in conjunction with the Los Angeles-area W6NUT repeater. In February, the FCC asked Sorensen and Gregory S. Cook, ex-KC6USO, of Chico, California, to respond to allegations that they conspired in making late-night one-way transmissions on W6NUT that originated from Sorensen's station.

In March the FCC accepted Cook's voluntarily surrendered license. For his part, Sorensen, who did not dispute the allegations, wrote the FCC offering to accept a year's banishment from the W6NUT 147.435 repeater "as fair punishment." Instead, the Commission imposed a ban on the use of all repeaters on the three most popular repeater bands for the next three years.

Mattern, who formerly held the vanity call sign WW4WJD as a Tech Plus, was called for retesting last September after the FCC received allegations that the licensee had been using amateur repeaters in his area to solicit traffic reports for his employer, a company that markets the reports. In a reply to the FCC, Mattern characterized his traffic-reporting activities as "a hobby" that earned him very little money. He also agreed to abide by the wishes of repeater control operators who had asked him to stay off their machines.

Mattern failed all elements of last year's retest, but he passed the Technician exam earlier this year, and was granted KG4NGG on May 3. In reaction to numerous additional complaints from Central Florida amateurs the FCC set aside that license grant until the Enforcement Bureau could investigate. Mattern's application was granted on June 8 with the repeater restriction imposed.

# Where did "73" come from?

Actually it was part of the "Phillips Code" - a shorthand code developed by Walter P. Phillips in the 1870's to facilitate newspaper and court reporting transmitted over electric telegraph landlines.

Walter Polk Phillips began his career as a Morse telegrapher for the American Telegraph Company in Providence, Rl.

The Associated Press came about in 1848 when, in an effort to reduce the high cost of telegraphed news, six competing New York City newspapers agreed to a joint effort to collect and distribute news over a common circuit_

At only age 18, Phillips was promoted to the position of Report Operator copying "press" dispatches from the AP. At one time, he held the speed record by copying 2,731 words in one hour (about 45 wpm) ... a feat that earned him a solid gold pen award from Prof. Samuel F. B. Morse.

Phillips was made manager of the AP's Washington Bureau in 1868 and persuaded them in 1875 to establish the nation's first leased wireline press service linking New York, Philadelphia, Baltimore and Washington.

Detemmined to make the AP the fastest news service in the country, he revised the existing abbreviations and codes used in the transmission of press. In 1879 he published the Phillips Code Book, 62 pages of (mostly) letter combinations and some numerals.

Its objective was not only speed, but to also cut down on telegraphy line time and message costs which were paid for by the word. For example, POTUS stood for "President of the United States" and SCOTUS: "Supreme Court of the United States. "

In 1898, Walter Phillips was appointed vice president and general manager of the United Press. The Phillips Code remained in widespread use until teletype replaced telegraphy in the 1920's.

Today the AP network consists of more than 1,500 newspapers and 5,000 broadcast outlets in the United States. Worldwide, the AP serves more than 15,000 news organizations in 112 countries.

Very little of the Phillips Code is used today, but 30 "No more, End," 73 "Best regards" and 88 "love and Kisses" have endured.

06/07/2001... $12 for Dues from HERMAN ENTZ, K7PAG
06/07/2001... $12 for RD from STEVE SZOMBATHY, W7UDI
06/07/2001... $6 for RD from RALPH LUCIER, KA7VEE
06/07/2001... 2 TD's, $20 for RF's from STEVEN MAYES, KA7PMC
06/07/2001... $30 for RD from KIRK BELLAR, N7UK
06/08/2001... TD, $15 for CF from PETE KRUML, N7KFJ
06/09/2001... Email from RAY UBIS, KG7UB
06/10/2001... On-line renewal from MIKE CRAWFORD, WB7DFQ
06/10/2001... On-line renewal from RADIO CLUB OF TACOMA, W7DK
06/10/2001... Email from MICK PIER, KK7QS
06/10/2001... Payment for RD ad, $62 for RD from JON MARCINKO, WR7JM
06/11/2001... Email to MICK PIER, KK7QS
06/15/2001... $10 for RF from MIKE CRAWFORD, WB7DFQ
06/15/2001... $4 for from THOMAS MURPHY, N7QHX
06/15/2001... $12 for RD from GENE COLSON, W7UVH
06/15/2001... 5 TD's from KEVIN SULONEN, N7KV
06/20/2001... Received TD from TOM SAUNDERS, N7OEP
06/21/2001... Email to/from MICHAEL KUNZ, KD7BCP
06/22/2001... $13.50 for RD from ALLEN HART, N7FYU
06/22/2001... TD, $15 for CF from ROBERT WORMLEY, W7QA
06/27/2001... TD, $15 for CF from BRYON GUNNERSON, WB0CZA

LEGEND: CF= Coordination Fee, TD= Technical Data Sheet,
RF= Renewal Fee, RD= Repeater Directory

## *Clay's Corner for July 2001*

Can you believe that 2001 is already half gone? Time to head for the hills and climb those towers and get all the 'summer things' done that you have been putting off as this is our SHORTEST season and soon it will be wind and rain again.

Our most recent meeting saw the WWARA being put to the test to resolve a very sticky issue, the 146.98 matter, thankfully it appears to be resolved. Sometimes it takes an issue like this to cause many who have never read the Bylaws or Coordination Policies to give them another read or two. Many felt, perhaps with good reason, that there must be a BETTER WAY to handle and resolve issues like this. With all this attention a new committee was formed to take another look at our organizations documents to see what can be done to improve things a bit more.

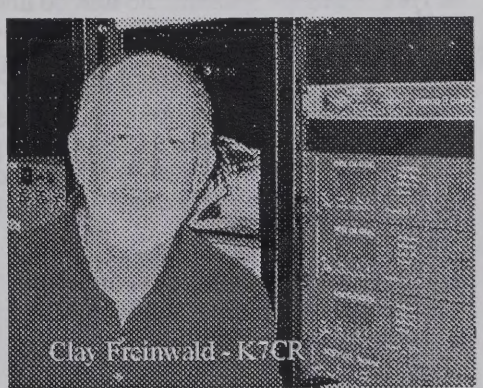
I recall that in this column in years past I kept harping on the need to re-examine our policy doc's and finally with the SoCal confrontation and the NFCB's meeting with the FCC in WDC I was finally able to convince enough members to get to work on a number of issues, as a result we formed what Mark McClain aptly called the re-tooling committee, the results of this committees actions you voted to approve last year.

I recall at the end of one of last years meetings I visited with a number of members where I encouraged them to continue the process of making improving the WWARA an ongoing proposition. Then came another bout with apathy followed by the 146.98 situation followed by a call for the formation of committee to deal with the matter.

I am especially pleased to see the rather large number of parties stepping forward to serve in this activity, this shows me that the WWARA's future is indeed bright. As you may have noticed, I did not volunteer. Its time for new blood and new ideas. Our mission is clear and the sense I got from this new crop of volunteers is that they too want to see the WWARA move forward with a greater level of fairness to all. As one of the founders of this organization...I tip my hat and wish them the very best.

To the rest of you...this group needs your input, suggestions and support. I encourage you to come to the next WWARA meeting and contribute. We need to remember that the WWARA is actually a COOPERATIVE...and its through cooperation that we get things done.

Have a great summer !


Clay Freinwald - K7CR

## Minutes of May 24, 2001 Board meeting

A Board meeting was May 24th at the Radio Club of Tacoma. Chairman Ed Bruette, N7NVP, called the meeting to order at 7:30pm.

Introductions were made and a sign-in sheet was circulated. In attendance were:

Mark McClain- N6OBY, Ed Bruette- N7NVP, Peter Policani- K7PP, Pete Kruml- N7KFJ, Jon Marcinko- WR7JM, Al Burleson- K7HW, Clay Freinwald- K7CR, Bryon Gunnerson- WB0CZA, Peter Dahl- WA7FUS, Bill Vodall- WA7NWP, Ken Koster- N7IPB, Ren Roderick- WA7QFR, Len Westbo- W7MCU, Robert Donnell- KD7NM, Tim Schneebeck- K7QMI, and Bob Gudgel- K7IQ.

Ed Bruette- N7NVP, provided a review of the 147.98 coordination issue. In addition to the general discussions by the Board members via the remailer, Ed talked with Greg Milnes- W7OZ ARRL PNW Division Director, as well as the local FCC representative who sought guideance from the "Headquarter's Amateur Body" in the Washington DC office. Additionally, Ed talked with Harry Lewis- W7JWJ, and retired attorney Michael Hansen- KG7MX. Michael has review over 70 pages of documentation regarding the present 146.98 issue and has offered his services as a mediator should the two parties choose that course of action.

Pete Policani- K7PP, recapped the recent communications with Bob Donnell- KD7NM. Pete said he requested from Bob via email a Cover Letter by 05/24/01, and asked Bob to provide details to his operation, co-existance, and method to eliminate/prevent interference to the co-channeled K7MMI/N7KFJ system. Bob Donnell was present and indicated that he had replied to Pete's request but did not address all of items.

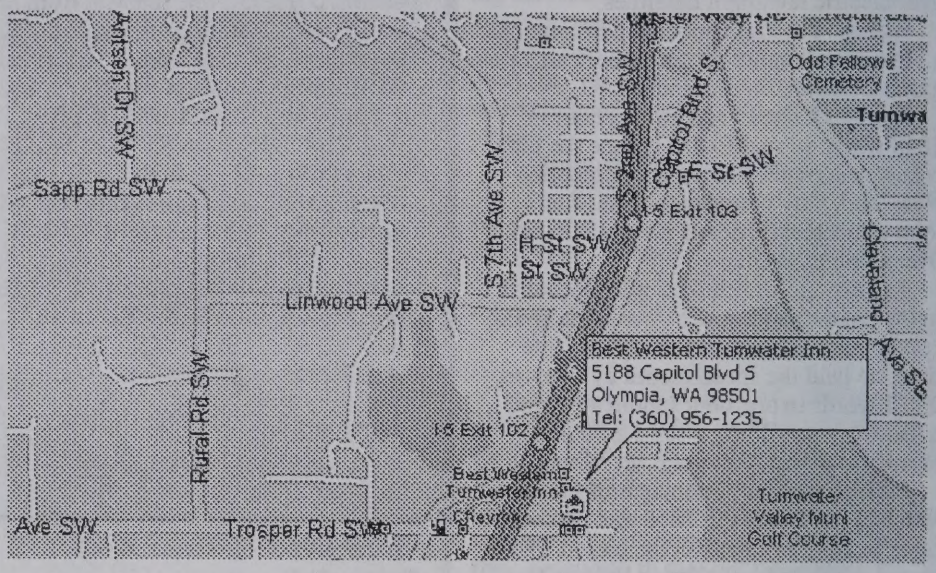
Clay Frienwald- K7CR, suggested we have the following options for resolution:

1. Packet system stays on the air.
2. Bob Donnell agrees he was late renewing, allowing Pete Kruml to go forward.
3. Co-channel.
4. Choose another decision process.
5. Use whatever process we choose to follow to make a decision.
6. we follow the recommendation from the Band Chair, Board vote, and membership approval/dis-approval.

Clay motioned that the Board of Directors consider Bob Donnell's coordination for 146.98 be null and void. The motion was seconded and carried 5/0.

## *Meeting Notice....*

The next WWARA Membership meeting will be Saturday August 4, 2001 from 10::00 AM to 12:00 PM at the Tumwater Best Western in Tumwater.




***DRIVING INSTRUCTIONS -***

Directions to the Tumwater Best Western.

**The address is 5188 Capitol Blvd. SE Tumwater.**

From the NorthExit 102, turn left a signal (cross over freeway), left at Capitol Blvd. Turn right into the Texaxo. The Best Western is behind the Texaco.

From the SouthExit 102, turn right at exit. Left onto Capitol Blvd. Right into the Texaco.

Clay motioned for the Board of Directors authorize the Band Chair to keep the opportunity (146.98 application) open to Bob Donnell until midnight June 4th, by providing an appropriate Cover Letter outlining co-channel and co-existance with Pete Kruml's operation; and that the 2-m Band Chair make a recommendation to the Board by June 14th. The motion was seconded and carried 4/0.

Clay moved the Board appoint a committee to review and make recommendations for changes for change of the Bylaws and Coordination Policies is warranted. The motion was seconded and carried 5/0. Ken Rau- K7YR offered to lead the committee. Tim Schneebeck- K7QMI, and Bryon Gunnerson- WB0CZA offered to participate. Bryon Gunnerson requested the Chair consider someone other than Ken Rau head the committee due to Ken's present position on the Board and involvement with the issue. The Chair indicated he would direct the committee to select a Committee Chair.

A motion was made and seconded to adjourn the meeting at 9:04pm.

A reminder was given for the next General Membership meeting to be held on Thursday, June 7, 2001 at 7:00pm. The location and directions will be published on the web page.

Minutes by Mark McClain- N6OBY, Secretary/Treasurer.

# Minutes of June 7, 2001 General Membership Meeting

The June 7th, General Membership meeting was held at Kent Fire Station #73. Chairman Ed Bruette, N7NVP, called the meeting to order at 7:02pm.

Introductions were made and a sign-in sheet was circulated. In attendance were: Ed Bruette- N7NVP, Mark McClain- N6OBY, Herman Entz- K7PAG, Al Burleson- K7HW, Peter Dahl- WA7FUS, Len Westbo- W7MCU, Marty Hadfield- WB7AFV, Clay Freinwald- K7CR, Steven Szombathy- W7UDI, Kirk Bellar- K7UK, Ralph Lucier- KA7VEE, Ken Rau- K7YR, Peter Policani- K7PP, Pete Kruml- N7KFJ, Bryon Gunnerson- WB0CZA, Earl Garber- N3EG, Michael Hill- N7NFY, Steven Mayes- KA7PMC

The minutes of the April 7, 2001, General Meeting were approved.

The minutes of the May 24, 2001, Special Board Meeting were approved, with one correction regarding the meeting location, which was held at the Radio Club of Tacoma.

The current financial statements were distributed for review. The Treasurer noted there is currently $830 in Undeposited Funds and explained that this was the result of the first wave of repeater directory sales, a check from the ARRL for payment of listings in their repeater directory, and the usual in-flow of monies for dues and fees. Bryon Gunnerson- WB7CZA, asked if the savings and checking account balances are high, and if there are specific plans to use the money. A general discussion indicated that the balances are normal and support the ongoing costs of doing business, periodically sending Clay to important NFCC and FCC meetings, plans to display at regional hamfests, etc. A motion passed to approve the financial report.

ADJACENT AREAS:

-IACC: Nothing reported except for routine UHF frequency checks by the Secretary.

-B.C.: Nothing reported except for routine UHF frequency checks by the Secretary.

-ORRC: Ed Bruette- N7NVP, reported that he has been working with Carl Di Paolo regarding the 145.15-Olympia coordination. ORRC objected because of an ORRC coordination at Scapoose, which doesn't appear to exist. Pete Policani- K7PP added that the 145.15-Hood River operation appears to be un-coordinated.

COMMITTEE REPORTS

-Technical- Marty Hadfield- WB7AFV, reported that no plots have been requested lately. Bryon Gunnerson- WB7CZA gave a good recap of the presentation Marty and Pete Policani- K7PP, gave to the PARS group. Bryon said the group was in awe with the plots that Marty put up on the "big screen",and that Pete and Marty fielded a long list of questions from the PARS members regarding frequency coordination.

-6/10 Meters- Board actions: None.

Other/Pending: Ed Bruette- N7NVP, reported that Rob Simonson- WA7ROB, is not going to proceed with construction plans for 52.89 in Winlock and is returning the pair back to the pool.

-2 Meters- Board actions: Previous to the meeting, the Board approved the coordination of 147.18-Megler NM7R repeater. There were no questions from the membership.

Other/Pending: There was continued discussion regarding the 145.15 situation in Washington and Oregon. Also, Band Chair Pete Policani- K7PP, requested that the application for 146.98-Baldi be returned to Bob Donnell- KD7NM, as the requested Cover Letter was not received by the agreed upon deadline.

-220- Board actions: Previous to the meeting, the Board approved the coordination of; 224.500-East Tiger to N6OBY, and 224.220-Brier to WA7FUS. There were no questions from the membership.

Other/Pending:

-440- Board actions: Previous to the meeting, the Board approved the coordination of; 444.475-Bainbridge Is to KC7TGA, 444.275-Bremerton to N7NVP, 444.550-Tumwater to KD7HTE, 443.600-Kenmore to N7KP, 441.700-Longview to N3EG, 441.100-Woodinville to K7AAE, 443.400-Bremerton to K7PP, 441.475-Redmond to KB7TBF, and 444.800-LongBeach to NM7R. There were no questions from the membership.

Other/Pending: (The Band Chair was not able to attend the meeting due to a work committment.)

-900/1.2- Board actions: None.

Other/Pending: (The Band Chair was not able to attend the meeting.)

-NFCC Business: Clay Freinwald- K7CR, said there has been a lot of discussion within the NCFF regarding data submission by coordinators to the ARRL for their repeater directory. Mark McClain- N6OBY, added that ARRL's Brennan Price- N4QX, is proposing a on-line, web-based submission and update process.

OLD BUSINESS

-Modification of Technical Data Sheet- Jon Marcinko- WR7JM has proposed the use of a Technical Data Sheet that is modified for the application and renewal of link frequencies. Jon was not able to attend the meeting, but several members are reviewing the form.

-Review of UHF Links and Band Plan- There was no update for this item.

NEW BUSINESS

-Club Presentation at PARS Meeting- (See comments under the Technical Committee Report section.)

-Bylaws and Coordination Policies Review Committee- Additional members offered to be part of the committee- Steve Szombathy- W7UDI, Mark McClain- N6OBY, Pete Policani- K7PP, and Pete Kruml- N7KFJ, will be working with Bryon Gunnerson- WB0CZA, and Ken Rau- K7YR. This committee will have its first meeting at the conclusion of this General Meeting.

-Help Wanted- Ed Bruette- N7NVP said volunteers are being sought for the positions of Editor (The Coordinator newsletter) and Webmaster for next year's term. More information is available on the WWARA web site.

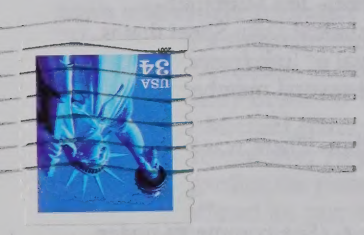
-Ken Rau- K7YR, asked is any progress had been made with the splitting of the Secretary/Treasurer position. Ed reported this would be addressed by the Bylaws and Coordination Policies Review Committee, and that Roger Hansen- W6TOZ has offered to accept the Treasurer position.

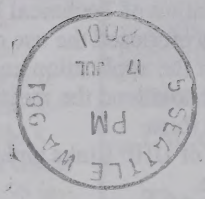
The next meeting will be held on Saturday, August 5, 2001 at 10:00am. The location (probably Olympia) and directions will be published on the web page.

Ed Bruette- N7NVP, Marty Hadfield- WB7AFV, and Clay Freinwald- K7CR, are planning to set up a table to represent the WWARA at the Longview swap meet on August 11th.

A motion passed to adjourn the meeting at 8:40pm.

Minutes by Mark McClain- N6OBY, Secretary/Treasurer.





Western Washington Amateur Relay Association
PMB 243
16541 Redmond Way
Redmond, WA 98052

Dues Exp.
Dec. 2003

# THE WESTERN WASHINGTON AMATEUR RELAY ASSOCIATION
## SERVING REPEATER OWNERS AND USERS SINCE 1976

### BOARD OF DIRECTORS, 2001

| POSITION | NAME | CALL | PHONE |
|---|---|---|---|
| Chairman | Ed Bruette | N7NVP | 360 698-0917 |
| Vice Chairman | Ken Rau | K7YR | 425 222-7711 |
| Secretary/Treas. | Mark McClain | N6OBY | 425 881-9389 |
| Representative #1 | Pete Policani | K7PP | k7pp@technline.com |
| Representative #2 | Mark McKibbin | WR7V | 360 437-0718 |
| Representative #3 | Clay Freinwald | K7CR | 253 939-1414 |
| Representative #4 | Mike Hill | N7NFY | 425 238-8900 |

### STANDING COMMITTEES

| | | | |
|---|---|---|---|
| Technical | Marty Hadfield | WB7AFV | 425 430-1581 |
| Membership | Ken Rau | K7YR | 425 222-7711 |
| Coordinator Editor | Mark McKibbin | WR7V | 360 437-0718 |
| 10 & 6 Meters | Ed Bruette | N7NVP | 360 698-0917 |
| 2 Meters | Pete Policani | K7PP | k7pp@techline.com |
| 220 MHZ | Ralph Lucier | KA7VEE | 360 770-2975 |
| 440 MHZ | | | |
| 900/1200 | Gene Colson | W7UVH | 360 495-4313 |

Please feel free to contact your WWARA officials at any time for additional information about the Association. The COORDINATOR is published 6 times a year and mailed to all parties having a WWARA coordinated system as well as those whom are paid USER members. Dues are $12 per calendar year. Address all formal correspondence and requests for coordination to:

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